2nd & Part Bill

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: Construction of RO plant and drilling of Borewell installation of pump and motors, providing pipeline and Additional Motor pumpe and Neceesary Acceesories to Existing Borewells in Bellahali, Kattige - nahalli Chokkanahalli Thirumenahalli, palanahalli, Agrahara, Sampigenahalli Srirampura, Idkiur, Kogilu in ward No 01						
	Est Cost: ₹00.00 lakhs.						
	Job Code: 005-20-000013 / 005-21-000092						
	Name of Contractor: M/s Sathya Borewell						
	Work order No: EE(Project)Unk-20ne/WO/46/2020-21 Dt: 13/7/20.						

M. A. R. 57 (Rule 116)
Measurement Book

No. E 637313

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitation either through the hand pump MWS or P.W.S.S. by vle electrical sounding by adopting Vernier or Schlumbergers method etc complete						
	⊙ Rate 4220/each					up to date qty - 85.0 No.	= 358700=00
	(2) Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of capacity 250 PSI & above in all Strata including over burden etc complete 00 - upto 50 m					upto date qty - 42500 m	= 1653250=00
	⊙ Rate 389/m						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including Over burden upto 20m & complete 50 – 100m @ Rate 496/m					upto date qty – 4250.0m = 2108000=00	
	(4) Sinking of borewell of 165 m.m. dia clear using Super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including Over burden upto 20m & complete 100 – 150m @ Rate 511/m					upto date qty – 4250.0m = 2171750=00	
	(5) Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of capacity 250 PSIG &						

M. A. R. 57 (Rule 116) No. E

Measurement Book

637314

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	above 900 CMF & above in all strata including Over burden upto 20m. & complete 150 – 200m @ Rate 601/m					upto date qty – 4250.0m = 2554250=00	
	(6) Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including Over burden upto 20m & complete 200 – 250m @ Rate 711/m					upto date qty – 4250.0m = 3021750=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of Capacity 250 PSIG & above 900 CMF & above in all strata including Over burden upto 20m. etc complete 250 - 300 m						
	@ Rate 785/m					Upto date Qty - 4250.0m = 3336250.00	
(8)	Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including Over burden upto 20m etc complete 350 - 400 m						
	@ Rate 250/m					Upto date Qty - 4250.0m = 1062500.00	

M. A. R. 57 (Rule 116) No. E

Measurement Book

637315

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Sinking of Borewell of 165 m.m dia clear using Super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20m etc Complete 400 - above 350m						
	@ Rate 713/m					Upto date Qty - 4250.0m = 3030250.00	
(10)	Supplying of IS1 Mark 175 m.m nominal bore medium class ERW Casing pipe of 5 m.m thick plain electric resistance continious welded mild Steel tube material						
	@ Rate 1480/Mt					Upto date Qty. 509.79m = 754689.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	providing & fixing 250 m.m dia puc pipe and as per Specification and directions etc complete						
	upto 125 r.					Up to date - 862.50 Rmt	
	@ Rate 1518/Rmt					=1309275=00	
(12)	Above 125 r.					Qty - 247.50 Rmt	
	@ Rate 1449.19/Rmt					=358675=00	
(12)	175 m.m dia M.S. casing cap etc complete						
	@ Rate 102/Each					Qty - 85.00 NO	
						= 8755=00	
(13)	M.S casing pipe collars/clamps etc complete						
	@ Late 154/Each					130823 Qty - 850.00 NO	
						=130900=00	

M. A. R. 57 (Rule 116) No. E
Measurement Book

637316

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Labour charges for erection of new/repaired Submersible pumpset along with GI pipe cable including transportation						
	upto 125 r.					Qty - 48.250	
	@ Rate 40/Each					= 4325=00	
	Above 125 r.					Qty - 58.250	
	@ Rate 95.67/Each					= 5597=50	
(14)	Fabricating Supplying & mounting MS box of 16 SWG Suitable for floor/wall mounting, fully weather proof with provision for better hear dissipation						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 0.33/cm²					Qty - 1738000.00 cm² = 573540=00	
(15)	Labour charges for erection & refixing of new/repaired Submersible pumpset along with GI pipes cable including transportation.						
	up to 125 ft. — @ Rate 100/each					Qty - 4312.50 No = 431250=00	
	above 125 ft. — @ Rate 95.67/each					Qty 58.50 No = 5597=00	
(16)	Supplying & fixing of porcelain fuse channel with cut out on existing wooden/pannel using necessary nuts & bolts						
	@ Rate 234/each					Qty - 207.00 No = 48438=00	

M. A. R. 57 (Rule 116) No. E

Measurement Book

637317

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	Supplying & laying of L.T. U.G. Cable having aluminium conductor PVC insulated sheltted galvanised steel wire/steel tape around cable with PVC outer sheathing 1.1kV class 4 core 16 sqmm Cable						
	@ Rate 140/Rm					Qty - 2415.00 mtr = 338100=00	
(18)	Digging of trenches of 0.6m x 0.5 m wide refilling the trench to the required ground level & consolidating etc complete						
	@ Rate 120/mt					Qty - 2415.0 mtr = 289800=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Supplying & fixing class-A GI pipe on pole/wall crossing with necessary clamping arrangement for UG cable of 1.1 KV class 40 mm. dia complete @ Rate 300/mtr					Qty - 138.0 Mtr. = 41400=00	
(20)	Supplying & fixing wiring earth electrode for grounding conduites. IC fuse outs & other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long @ Rate 4350/each					Qty - 69.0 No = 300150=00	
(21)	Supply & fixing I.T cast iron pot heads suitable for 1.1 KV class 16 sq.mm U.G. cable fitted with necessary bituminous insulating compound etc complete @ Rate 280/each					Qty - 69.0 NO = 19320-00	
(22)	Supplying & fixing of polished wood a board of not less than 15 mm thick plain on both side with planed made out of on not more than 2 pieces & fixing the same to wall etc complete. @ Rate 300					Qty - 69.0 NO = ₹ 20838=00	
(23)	Cleaning of bore well including yield testing of borewell either using slow or fast rig & for not more than 2 hrs at all final depth with air compressor & suitable pumps						

M. A. R. 57 (Rule 116) No. E

Measurement Book

637313

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 11000/ Each						Qty - 3.0 NO = 33000=00
(24)	Borewell clamp Set etc complete @ Rate 1800/ Each						Qty - 69.NO = 124200=00
(25)	Supply & delivery at site brand new texmo/ innovat/ Radha make Suitable HP deep well Submersible pumpset Suitable for Vle installation in 150 dia borewell & pump & motor casing Suction Strainer Shall from List will requires fittings 17.5 HP & 30 stage etc complete @ Rate 78000/ Each						Qty - 43.0 NO = 3354000=00

M. A. R. 57 (Rule 116) No. E 637319

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(26)	Supply & delivery at site brand new texmo/ innovat/ Radha make Suitable HP deep well Submersible pumpset Suitable for Vle installation in 150 m.m dia borewell Ist will all the requires fittings 20 HP 40 Stage @ Rate 98000/ each						Qty - 26.0 NO = 2548000=00
(27)	Providing laying & Jointing GI pipes of approved make with fittings such as collars Bends elbows & cons nipples plugs with cut threads white lead & thread for Jt. etc Complete @ Rate 435/ Rmt						26226.0 Rmt = 11408310=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(28)	Supply & fixing Heavy collar for GI pipe 50 m.m etc complete @ Rate 190/no						Qty - 4410.0 no = 837900=00
(29)	Supplying & Submersible pump cable 1x3x6.0 Sq.mm etc complete. @ Rate 145/mtr						Qty - 54312.27 mtr = 7876110=00
(30)	Supplying & delivery at site brand new Essar/Lotus GK control box - indigenous make combine energy meter 1200x600x300 m.m with - control panel board, etc complete @ Rate 22000/each						Qty - 69.0 no = 1518000=00

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

637320

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(31)	Supplying & delivery of brand 50 m.m Gate Valve, etc Complete @ Rate 1800/no						Qty - 69.0 no = 124200=00
(32)	Supplying & delivery of brand 50 m.m Non Return Valve etc Complete. @ Rate 1800/each						Qty - 69.0 no = 124200=00
(33)	Supplying & fixing MCB, etc Complete @ Rate 900/each						Qty - 69.0 no = 62100=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(34)	Earthwork Excavation for foundation of buildings water Supply, Sanitary Lines & electrical conduits either in pits or in trenches 1.5m & above in width in ordinary soil not exceeding 1.5m in depth including dressing etc complete. @ Rate 318/m³					Qty. 11392.20 m³ = 3622719=00	
(35)	providing & instaling at site of work 63mm/Cm² including Copper pipes pvc pipe 6 kg/Cm² including lowering in to trench laying in to true line level & perfect Lilling etc complete @ Rate 395/Rmt					Qty - 253160 mtr = 9999820=00	

M. A. R. 57 (Rule 116) No. E 637321

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(36)	Refilling available earth around pipe line cable in layers not exceeding 20 Cms in depth etc complete @ Rate 129/m³					Qty - 11392.20 m³ = 1469568=00	
12/6/22	Total other SR Item including GST						3042350=00
	Total PWD SR Item						4310133 8=00
	Add GST 12% for PWD SR Item						517216 1=00
						Total	7899385 4=00
	Deduct privately PCD						4451700 3=00
	Now to pay is - 3,44,75,300						3447685 1=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) It is certified that the above work done satisfactorially.						
	(2) The above Bill amount has not been received any of prious Bills.						
	13/6/22						
	Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92						

M. A. R. 57 (Rule 116)

Measurement Book

No. E 637322

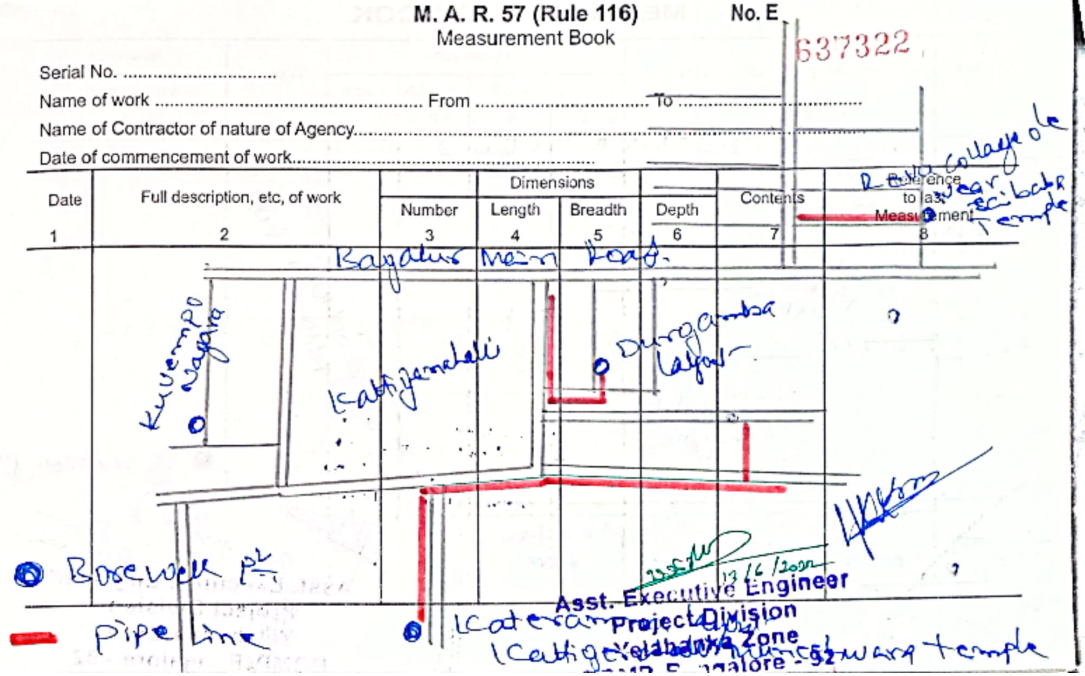
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

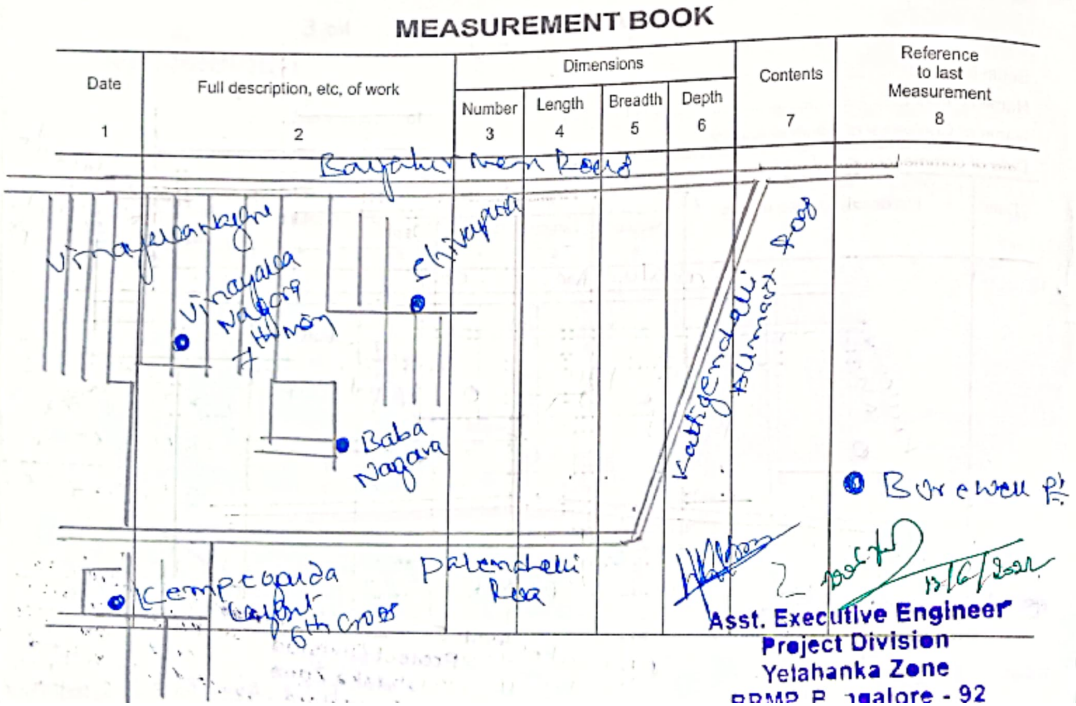
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

M. A. R. 57 (Rule 116) No. E

Measurement Book

637323

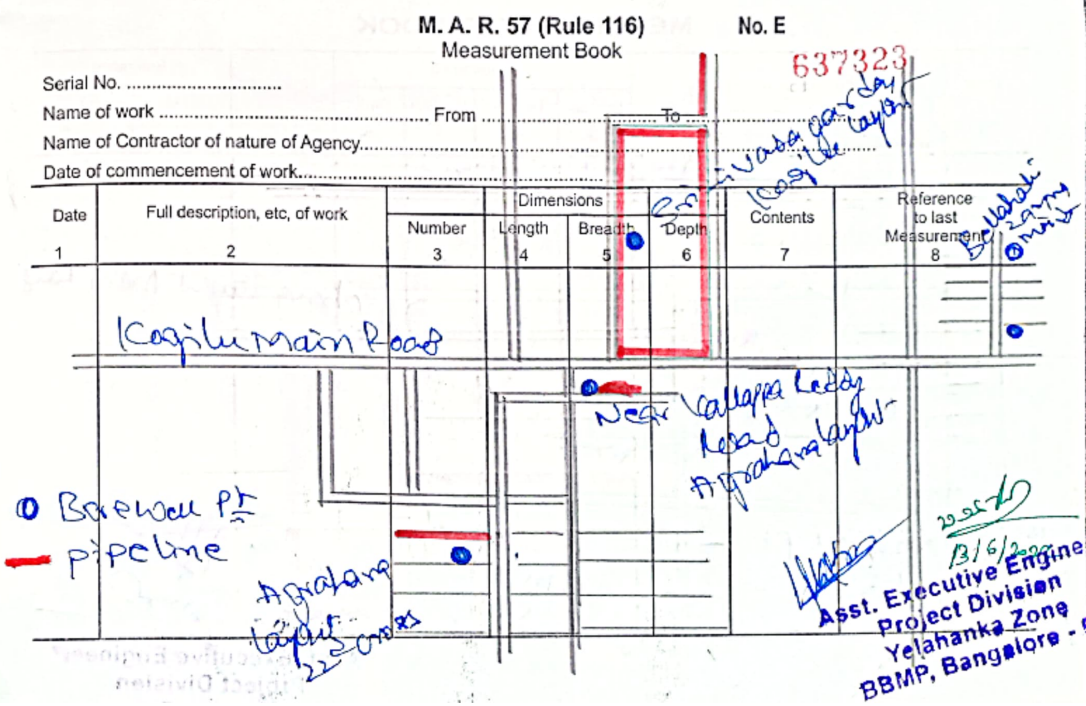
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 9

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cogitu Main Road.						
	Prakruthi Nagar Road.						
	Agrahara Layout Main Lane						
	Agrahara Village Road.						
	Agrahara Layout Main Lane						
	Agrahara Village						
	Bore well Pt.						
	Pipeline						

Asst. Executive Engineer
Project Division

M. A. R. 57 (Rule 116)
Measurement Book

No. E 637325

Serial No. Thanisandra Main Road

Name of work ... From ... To

Name of Contractor of nature of Agency...

Date of commencement of work...

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
	Bore well Pt.						
	pipeline						

Asst. Executive Engineer
Project Division
Yelahanka Zone

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bathroom Cant Bau C/o						Chokkanahalli C/o Bau

Asst. Executive Engineer
Project Division
Yelahanka Zone

M. A. R. 57 (Rule 116)
Measurement Book

No. E 637325

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bore well pt pipeline						

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Total update

Gross bill 78992631/-

1st & part 44517331/-

present bill 34475300/-

IT 690000/-

Cess 344800/-

CBF 34500/-

VAT 344800/-

SAST 344800/-

penalty 20000/-

Total deduct 1778900/-

net payable 32696400/-

Audited & Admitted for Rs. 34475300/-

Rs 32696400/- by Cheque

and Rs. 1778900/- by Adjustment

Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P.